



# Tribal Infrastructure Fund

## Santo Domingo Water Storage Tank

**Tribal Infrastructure Board**  
May 15<sup>th</sup>, 2012



New Mexico

Indian Affairs Department

PIF Number:

# Problem



- The existing 400,000 gallon community water storage tank is defective and leaks along the bolted seams.
- The tank can only be filled to  $\frac{3}{4}$  capacity due to the leaks. The Environmental Protection Agency (EPA) has issued a finding of deficiency against the tribe of the Safe Drinking Water Act.



# Need



- The storage tank supplies domestic potable water to 5,000 community members, the commercial area including two service stations, community facilities including the health clinic, Fire/EMS/Safety Complex and Early Childhood Learning Center.
- The inability to completely fill the storage tank affects the fire protection storage jeopardizing fire protection capabilities.
- The construction plans for the new tank were developed as part of the proposed Largo Mesa subdivision on the east side of I-25 and Exit 259. The first phase plan is for 40 home sites.

# Objectives



- Complete Design of Water Tank and Water Main.
- Construct water storage tank. The new water tank will hold adequate water to supply the Tribe's water demands as well as increase the pressures in the system in the event of a fire.
- Construct water main from the existing pump house to the new water storage tank; water main is needed to fill the water tank and distribute water to the future Largo Mesa housing development.
- Comply with EPA Order of Consent. Without TIF funding it will be difficult to procure necessary funding.
- Construct a new Pressure Reducing Valve (PRV) station to control pressure

# Actions



- Execute Memorandum of Agreement (MOA) documents with Indian Health Service (IHS) for completion of design documents. Perform Geo technical investigation for tank foundation. IHS to complete Environmental Review.
- Produce project documents including construction plans and project specifications.
- Santo Domingo Tribe will advertise project for competitive bids, award contract, and establish Notice to Proceed date.
- Construction of Project with on-site inspections.
- Produce punch-list items; attain all warranties; hold final inspections.



# Outcomes



- Reliable potable drinking water supply for the community, commercial users and institutions.
- Improved and reliable source of water for fire protection and fire protection capabilities.

# Benefits



- Reliable potable water supply for domestic use.
- Reliable water supply for fire suppression and protection.
- Water supply for future subdivision on the east side
- Reduction of water loss due to leakage.

# Costs & Budget



	TIF Funds	Match
• Planning and Design		\$54,500
• Construction	\$860,000	
• Engineering/Architectural	\$ 58,300	
• Project Admin	\$ 81,700	
• Other		\$ 9,700
• Total	\$1,000,000	\$64,200



# Project Evaluation



- During installation and construction IHS and an independent tank inspector will inspect the project to ensure compliance to the spec and testing and additional testing when the project is completed.
- Issuance of One Year Warranty – Santo Domingo Tribe will secure all warranties on materials and labor – Annual inspections will be performed by tribal staff.
- Compliance of EPA Order of Consent – Santo Domingo Tribe will seek to satisfy the “Order to Consent” and receive written documentation.



New Mexico  
Indian Affairs Department